

Release notes for ENDF/B Development e-096_Cm_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-096_Cm_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Cm + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Cm [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Cm [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Cm + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Cm [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Cm1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 128860. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Cm2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 24554. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Cm2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 23776. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Cm2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 18994. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Cm3s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6313.1 eV!
9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Cm3p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5945.6 eV!
10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Cm3p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4829. eV!
11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Cm3d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4237.2 eV!
12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Cm3d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4015.6 eV!
13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Cm4s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1664.1 eV!
14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Cm4p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1493.2 eV!
15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Cm4p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1194.4 eV!
16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Cm4d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 919.64 eV!
17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Cm4d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 865.4400000000001 eV!
18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Cm4f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 502.25 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Cm4f7/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 487.47 eV!
20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Cm5s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 384.3 eV!
21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Cm5p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 314.8 eV!
22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Cm5p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 239.65 eV!
23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Cm5d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 136.46 eV!
24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + Cm5d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 125.23 eV!
25. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + e^- + Cm5f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 13.48 eV!
26. Calculated and tabulated thresholds don't agree
reaction label 25: $e^- + e^- + Cm5f7/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 11.95 eV!
27. Calculated and tabulated thresholds don't agree
reaction label 26: $e^- + e^- + Cm6s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 60.69 eV!
28. Calculated and tabulated thresholds don't agree
reaction label 27: $e^- + e^- + Cm6p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 39.64 eV!
29. Calculated and tabulated thresholds don't agree
reaction label 28: $e^- + e^- + Cm6p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 27. eV!

30. Calculated and tabulated thresholds don't agree
reaction label 29: $e^- + e^- + {}^{63}\text{D}/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.65 eV!

31. Calculated and tabulated thresholds don't agree
reaction label 30: $e^- + e^- + {}^{65}\text{D}/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3.93 eV!

32. Calculated and tabulated thresholds don't agree
reaction label 31: $e^- + e^- + {}^{71}\text{S}/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6.18 eV!

• xsectplotter Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [4 more lines]